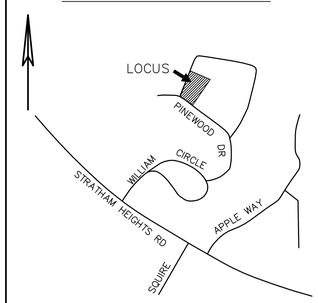
LOCUS MAP



SOIL CLASS: 129 WOODBRIDGE
(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED
#1 SET SPIKE 1' OFF COR RAISED BED EL 50.00
#2 CONCRETE DECK SUPPORT EL 57.04
#3 CONCRETE DECK SUPPORT EL 58.51

DESIGN INTENT:
1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 52.7
2. THERE IS/ARE APPROX. 0.3' BELOW ORIGINAL GROUND ON THE HIGH CONTOUR OF THE DESIGNED EDS. (EL53)

SUITABLE REPLACEMENT AREA:
SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:
50 (50) EXISTING CONTOUR
PROPOSED CONTOUR
50.0 EXISTING SPOT ELEVATION
(50.0) PROPOSED SPOT ELEVATION

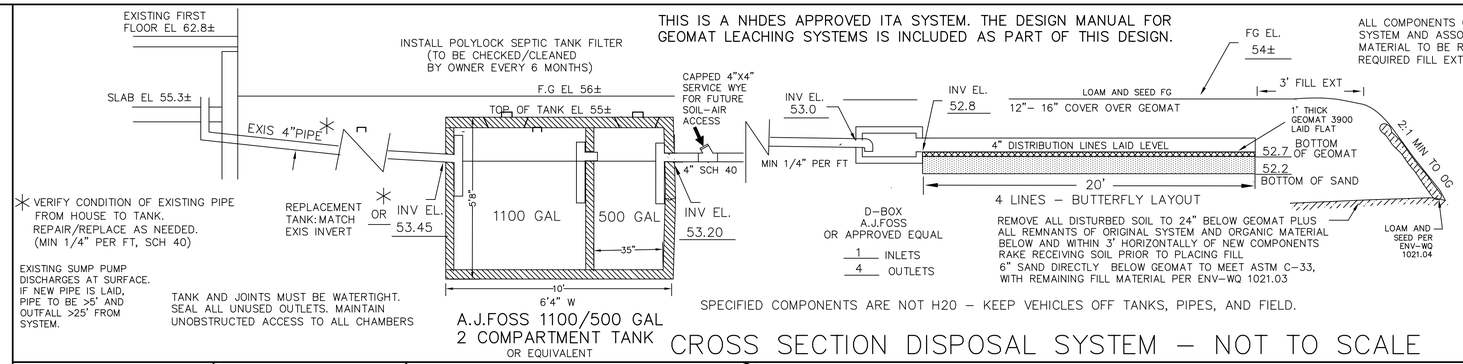
NOTES:
1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE:
RCRD PLAN B6040
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: #10545
NO CONSTRUCTION APPROVAL FOUND
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL, JACUZZI BATH, OR SEWAGE EJECTOR PUMP WASTE.
BACKWASH FROM WATER SOFTENER SYSTEM TO BE BE DISCHARGED TO A SEPARATE DRYWELL.
GARBAGE DISPOSAL TO BE REMOVED.
4. DESIGNER MUST BE CONSULTED FOR ANY PROPOSED CHANGES OR ERRORS/DISCREPANCIES FOUND DURING SYSTEM INSTALLATION. (603 929–7404)
INSTALLER IS RESPONSIBLE FOR ANY TOWN PERMITS OR INSPECTIONS REQUIRED FOR THIS INSTALLATION.

THERE IS NO KNOWN BURIAL SITE OR CEMETERY ON THE LOT OR THE ABUTTING LOT WITHIN 100' OF ANY COMPONENT OF THE ISDS OR WELL.

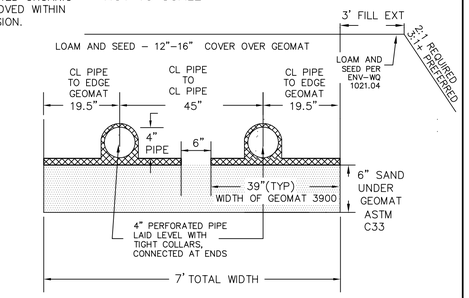
THIS IS A NHDES APPROVED ITA SYSTEM. THE DESIGN MANUAL FOR GEOMAT LEACHING SYSTEMS IS INCLUDED AS PART OF THIS DESIGN.

ALL COMPONENTS OF EXISTING SYSTEM AND ASSOCIATED ORGANIC MATERIAL TO BE REMOVED WITHIN REQUIRED FILL EXTENSION.

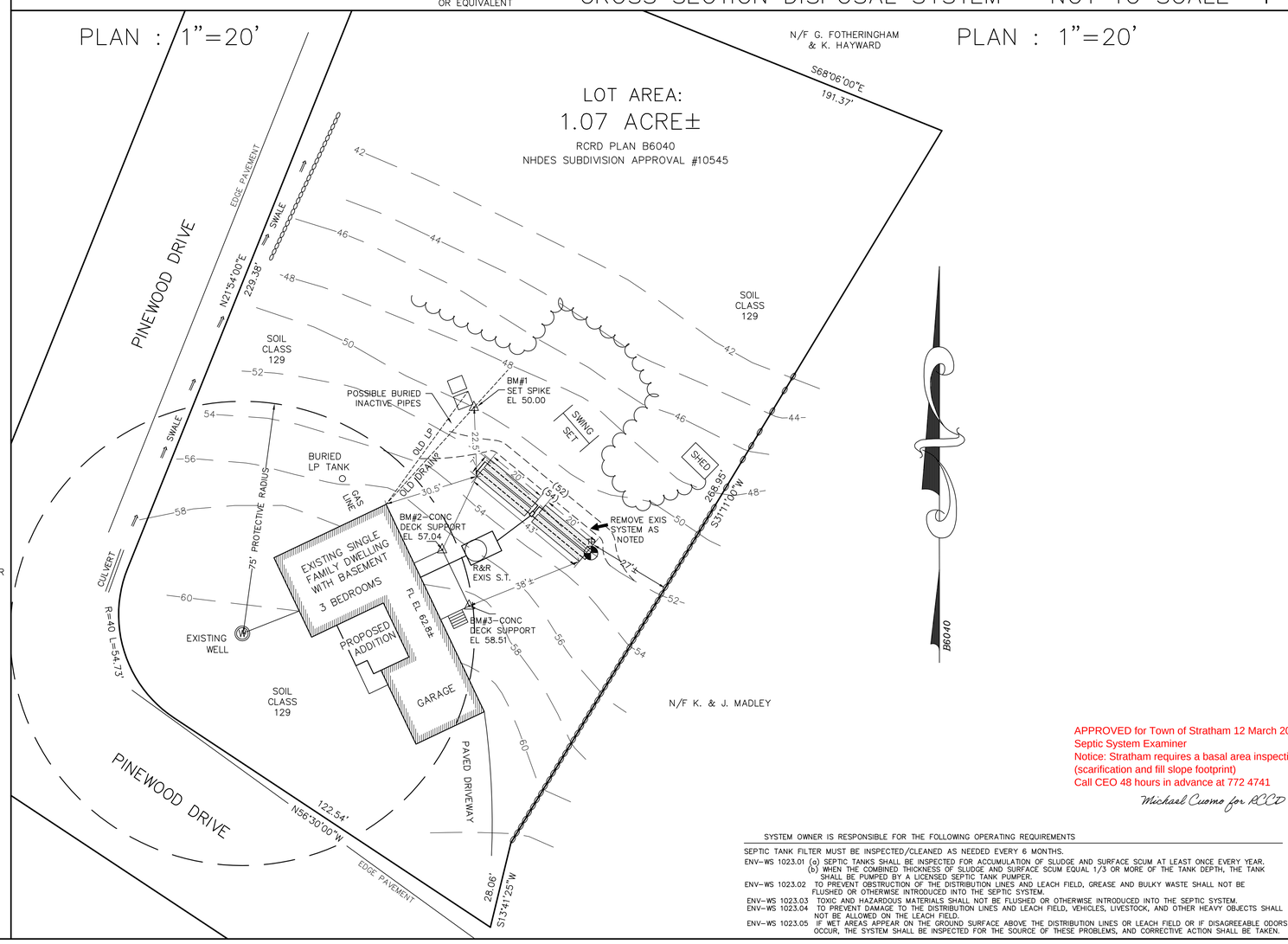
NOT TO SCALE



CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE



PLAN : 1"=20'



PLAN : 1"=20'

TEST PIT DATA

DATE: FEBRUARY 20, 2019

TOWN INSPECTOR: MIKE CUOMO

TEST PIT #1 EL 52

0 –12" 10YR3/3 FINE SANDY LOAM, GRANULAR FRIABLE
12–28" 10YR5/6 FINE SANDY LOAM, GRANULAR FRIABLE
28–76" 2.5Y5/4 STONY FINE SANDY LOAM, MASSIVE FIRM W/ REDOX
ESHWT @ 28", OBSERVED WATER @ 60", NO REFUSAL

PERC TEST DATA

DESIGN PERC RATE: 10 MIN/IN

EXISTING SINGLE FAMILY DWELLING BUILT 1969
ORIGINALLY 4 BEDROOMS AS SHOWN ON 1976 DES SUBDIVISION APPLICATION PLAN (SUBDIVISION APPROVAL #10545)
CURRENTLY LISTED AS 2 BEDROOMS IN ASSESSOR'S RECORD
BUILDING FOOT PRINT TO BE ENLARGED AS SHOWN.
DESIGN LOADING: 3 BEDROOMS (450 GPD)

GEOMAT HYDRAULIC LOADING:
RESIDENTIAL WITHOUT PRETREATMENT @ 10 MIN/IN = 1.79 GPD/SF
450 GPD LOADING /1.79 = 252 SQUARE FEET REQUIRED
252 SF@ 3.25 SF/LINEAR FT (GEOMAT 3900) = 78 LINEAR FT REQUIRED
4 LINES EACH 20' LONG PROPOSED FOR 80 LINEAR FEET PROVIDED.
GEOMATS TO BE 4" APART WITH 3' FILL EXTENSION FROM COMPONENTS ON OUTER EDGES OF BED.
(WITH 3' SEPARATION AT D–BOX AS SHOWN)

PROPOSED REPLACEMENT
SEPTIC SYSTEM PLAN

LOCUS: 29 PINEWOOD DRIVE
STRATHAM, NH
TAX MAP 5 LOT 26

OWNER: MICHAEL RAMSEY & HEATHER MACNEILL
29 PINEWOOD DRIVE
STRATHAM, NH 03885

APPROVED for Town of Stratham 12 March 2019
Septic System Examiner
Notice: Stratham requires a basal area inspection (scarification and fill slope footprint)
Call CEO 48 hours in advance at 772 4741
Michael Cuomo for RCD

SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

SEPTIC TANK FILTER MUST BE INSPECTED/CLEANED AS NEEDED EVERY 6 MONTHS.
ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.
ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.
ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.
ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.
ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.

NEW HAMPSHIRE Designer of Subsurface Disposal Systems ★★★ Anne W. Bialobrzeski No. 348 Department of Environmental Services

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03842
603 929–7404

DATE: MARCH 12, 2019

APPROVAL:

REVIEWED AND APPROVED
IN ACCORDANCE WITH THE REQUIREMENTS OF THE NH DEPT OF ENVIRONMENTAL SERVICES
WATER DIVISION
Date: 3/13/2019
#eCA2019031302